

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**INFORMATION DISCLOSURE
STATEMENT (PTO 1449)**

ATTORNEY DOCKET NO.
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U.S. APPLICATION SERIAL NO.
09/961,086

CONFIRMATION NO
6592

FILING DATE

September 21, 2001

INVENTOR(S)

Douglas D. Ross et al

EXAMINER

Susan Nmn Ungar

GROUP ART UNIT

1642

TITLE OF APPLICATION

BREAST CANCER RESISTANCE PROTEIN (BCRP) AND THE DNA WHICH ENCODES IT

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
A	2003/0232362	12/2003	Komatani et al			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	NO
B							

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

C	Doyle et al (PNAS, 1999, 96:2569)
D	Freshney (Culture of Animal Cells, A Manual of Basic Technique, Alan R. Liss, Inc., 1983, New York, p4)
E	Dermer (Bio/Technology, 1994, 12:320)
F	Zips et al (In vivo, 2005, 19:1-7)
G	Brennan et al (Journal of Autoimmunity, 1989, vol. 2 suppl., pp. 177-186)
H	Zimmer (Cell Motility and the Cytoskeleton, 1991, vol. 20, pp. 325-337)
I	Eriksson et al (Diabetologia, 1992, vol. 35, pp. 143-147)
J	Hell et al (Laboratory Investigation, 1995, Vol. 73, pp. 492-496)
K	Powell et al (Pharmacogenesis, 1998, Vol. 8, pp. 411-421)
L	Carrere et al (Gut, 1999, vol. 44, pp. 545-551)
M	Vallejo et al (Biochimie, 2000, vol. 82, pp. 1129-1133)
N	Guo et al (Journal of Pharmacology and Experimental Therapeutics, 2002, vol. 300, pp. 206-212)
O	Jang et al (Clinical and Experimental Metastasis, 1997, vol. 15, pp. 469-483)
P	Greenbaum et al (Genome Biology, 2003, Vol. 4, Issue 9, pages 117.1-117.8)
Q	Jansen, et al, 1995, Pediatric Res., 37(6):681-686
R	Alberts et al (Molecular Biology of the Cell, 3 rd edition, 1994, page 465)
S	Shantz and Pegg (Int J of Biochem and Cell Biol., 1999, Vol. 31, pp. 107-122)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if the reference is considered, whether or not the citation is in conformance with MPEP 609. Draw a line through the citation if it is not in conformance and it is not considered. Include a copy of this form with the next communication to the Applicant.

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T	McClean and Hill (Eur J of Cancer, 1993, vol. 29A, pp. 2243-2247)
U	Fu et al (EMBO Journal, 1996, Vol. 15, pp. 4392-4401)
V	Polynucleotide Sequence Genbank Accession No.: U66681 (GI:1906566)
W	Polypeptide Sequence Genbank Accession No.: AAC97367 (GI:4038352)
X	Ross, D.D.; Doyle, L.A.; Hazlehurst, L.A.; Yang, W.; Greenberg, L.W.; Hacker, M.; Abruzzo, L.V.; Dalton, W.S.; Mitoxantrone-resistant human 8226 myeloma cells overexpress breast cancer resistance protein (BCRP); Blood 1998 Nov 15;92(10 Supp 1 Pt 1):676a. The data were presented at the conference "The American Society of Hematology 40 th Annual Meeting" held on December 4-8, 1998, in Miami Beach, Florida, USA (abstract # 2785)
Y	Ross, D.D.; Karp J.; Yang, W.; Gao, Y.; Abruzzo, L.V.; Doyle, L.A.; Expression of breast cancer resistant protein (BCRP) in blast cells from patients with acute myeloid leukemia (AML); Blood 1998 Nov 15;92(10 Supp 1 Pt 1):386a. The data were presented at the conference "The American Society of Hematology 40 th Annual Meeting" held on December 4-8, 1998, in Miami Beach, Florida, USA (abstract # 1595)
Z	Doyle LA, Yang W, Abruzzo LE, Krogmann T, Gao Y, Rishi AK, Ross DD. Cloning and characterization of breast cancer resistance protein (BCRP), a novel ATP-binding cassette (ABC) transporter that may contribute to the multidrug-resistance phenotype of MCF-7/AdrVp breast cancer cells; Proceedings of the American Association for Cancer Research Annual Meeting 1998 March; 39:657. The data were presented at the conference "89 th Annual Meeting of the American Association for Cancer Research" held on March 28-April 1, 1998, New Orleans LA, USA (abstract #4475)
AA	Sequence alignment of SEQ ID NO:2 and EST 157481
BB	Sequence alignment of SEQ ID NO:1 and AAC97367,1
CC	Stryer, L. <i>Biochemie</i> , Chapter 35 "Molekulare Immunologie", page 925-933, Korr. Nachdruck 1991, Heidelberg (Spektrum Akademischer Verlag) 1991
DD	Watson, D. <i>Rekombinierte DNA</i> , Chapter 12, page 209-210, 2. Auflage, Heidelberg (Spektrum Akademischer Verlag) 1993
BB	Stryer, L. <i>Biochemie</i> , last page, table "Der genetische Standardcode", Korr. Nachdruck 1991, Heidelberg (Spektrum Akademischer Verlag) 1991
CC	European Opposition to European Patent No. 1054894

EXAMINER	DATE CONSIDERED
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